



STATE OF MISSOURI MISSOURI DEPARTMENT OF NATURAL RESOURCES GEOLOGICAL SURVEY PROGRAM

FEB 22 2012

INJECTION WELL PERMIT APPLICATION

(TO DRILL DEEPEN PLUG BACK, OR CONVERT AN EXISTING WELL) (MO. O.)

	(10 DIVIEL, DELI	EN, I EGG BAGK,	OR CONTERT AR EX	SIMO WELLING OIL &	Gas Council
NOTE ►	Permit approval <b>for di</b> reviewed and official r	rilling only, not injecti notification given.	on. Approval or denial for	injection determined after Mecha	anical Integrity Test results
[7] ADDII	CATION TO DRILL	□ DEEDEN	□ PILIC BACK	T FOR AN OIL WELL	OR GAS WELL

NAME OF COMPAN			PEN   PLU	JG BACK	FOR AN OIL W		□ OR (	GAS WELL
						DATE	2040	
	irce Exploratio	n & Development,	LLC	LOITY		02/15/2 STATE	2012   ZIP C	ODE
ADDRESS	0 0	.00		CITY		7000000000	55171.5	
	Street, Suite 5			Overland Park		KS	6621	10
DESCRIPTION NAME OF LEASE	N OF WELL A	IND LEASE	F (70 1534 ) Keels	WELL NUMBER	- 1 - 1 - 4 mm	ELEVATI	ON (GROUND	
Belton Unit				RW-21		1093 fe		
WELL LOCATION			(GIVE FOOTA	GE FROM SECTION LINES)				
	516	o ft. from □ Nort	h 🗸 South section lin	ne 989 ft. from	✓ East  ☐ West	section I	ine	
WELL LOCATION			-	LATITUDE L	ONGITUDE	COUNTY		
Sec. <u>16</u> Tov	wnship 46 No	th Range <u>33</u> [	☐ East ☑ West	N38 48 57.6	N94 34 12.5	Cass		
NEAREST DISTA	NCE FROM PRO	POSED LOCATION TO	PROPERTY OR LEAS	SE LINE 292 FEET				
DISTANCE FROM			DRILLING, COMPLET	ED OR APPLIED – FOR	WELL ON THE SAI	ME LEASE	13 FE	
PROPOSED DEPTH	ROTARY OR CA	ABLE TOOLS DRILLI	NG CONTRACTOR, NAME	AND ADDRESS				TE WORK WILL
650 feet	Rotary	Utah	Oil, LLC				03/01/201	2
NUMBER OF ACRE	S IN LEASE NUI	MBER OF WELLS ON	LEASE INCLUDING TH	IS WELL, COMPLETED	IN OR DRILLING TO	O THIS RE	SERVOIR E	37
560			D WELLS ON LEASE					
IE LEACE DUBCH	357055		RILLED, FROM WHOM		NO O	F WELLS	PRODU	ICING 50
		OR MORE WELLS DI	KILLED, FROM WHOM	PURCHASED?	1,0.0	· WELLO		28 ZTION
NAME DE EXP								CTIVE 8
ADDRESS 459	5 Highway K3	B, Wellsville, KS 6	6092				ABAND	_
07.7110		☐ SINGLE W	/ELL	☑ BLANKE	T BOND OK		Z ON I	FILE
						١.		ACHED
STATUS	S IS AN APPLICATIO	AMOUNT S		E WORK TO BE DONE, GIV	⊺\$ 80,000		CTION ZONE A	
REMARKS: (IF THIS	S IS AN APPLICATIO USE BACK OF FORM	N TO DEEPEN OR PLUG	BACK, BRIEFLY DESCRIB	E WORK TO BE DONE, GIV	⊺\$ 80,000	JCING/INJE	CTION ZONE A	AND EXPECTED
REMARKS: (IF THIS	S IS AN APPLICATIO USE BACK OF FORM	N TO DEEPEN OR PLUG IF NEEDED)	BACK, BRIEFLY DESCRIB	E WORK TO BE DONE, GIV	T \$ <u>80,000</u> ING PRESENT PRODU	FILLED IN	CTION ZONE A	AND EXPECTED
REMARKS: (IF THIS	S IS AN APPLICATION USE BACK OF FORM	N TO DEEPEN OR PLUG IF NEEDED)  CASING PROGRAM	BACK, BRIEFLY DESCRIB	E WORK TO BE DONE, GIV	T \$ 80,000 ING PRESENT PRODU	FILLED IN	BY STATE (	GEOLOGIST
REMARKS: (IF THIS INJECTION ZONE; U	S IS AN APPLICATION USE BACK OF FORM  PROPOSEI  SIZE	D CASING PROGRAM	BACK, BRIEFLY DESCRIB	APPROVED  AMOUNT	T \$ 80,000 ING PRESENT PRODU	FILLED IN	BY STATE (	GEOLOGIST  CEM.
REMARKS: (IF THIS INJECTION ZONE; U  AMOUNT  20'	PROPOSEI SIZE 7"	D CASING PROGRAM WT/FT 14	BACK, BRIEFLY DESCRIB  CEM. 5 sks	APPROVED  AMOUNT	CASING - TO BE	FILLED IN	BY STATE (	GEOLOGIST CEM.
AMOUNT 20' 650'  the Undersigeport, and tha	PROPOSEI SIZE 7" 2 7/8"	CASING PROGRAM WT/FT 14 6.5  It I am the COO as prepared unde	CEM. 5 sks 125 sks	APPROVED  AMOUNT	CASING - TO BE I	FILLED IN  W  / said co	BY STATE O	GEOLOGIST  CEM.  CUI  Lens

PERMIT NUMBER

- 208 18

M DRILLER'S LOG REQUIRED

INI

E-LOGS REQUIRED IF RUN

CORE ANALYSIS REQUIRED IF RUN

DRILL SYSTEM TEST INFO REQUIRED IF RUN

☐ SAMPLES REQUIRED

☐ WATER SAMPLES REQUIRED AT \_

NOTE >

THIS PERMIT NOT TRANSFERABLE TO ANY OTHER PERSON OR TO ANY OTHER LOCATION. APPROVAL OF THIS PERMIT BY THE OIL AND GAS COUNCIL DOES NOT CONSTITUTE ENDORSEMENT OF THE GEOLOGIC MERITS OF THE PROPOSED WELL NOR ENDORSEMENT OF THE QUALIFICATIONS OF THE PERMITTEE

MO 780-0212 (6-0

REMIT TWO (2) COPIES TO: GEOLOGICAL SURVEY PROGRAM, PO BOX 250, ROLLA, MO 65402 573/368-2143.

Betton

6 K/KR 3/6/12

RECEIVED

ONE (1) COPY WILL BE RETURNED.

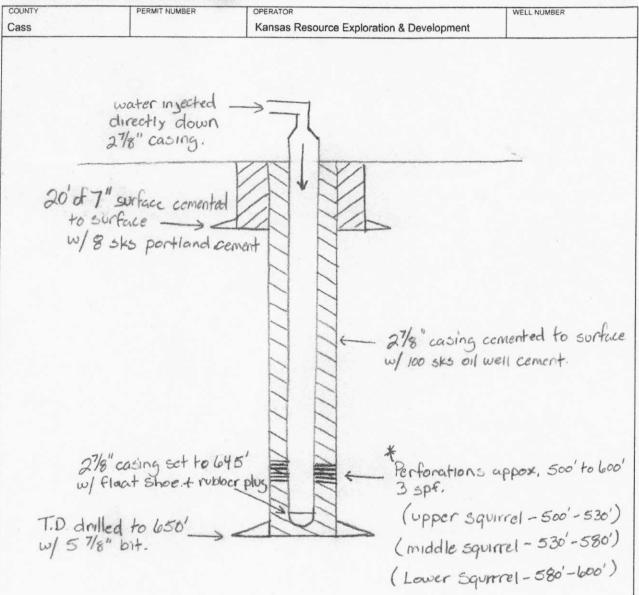
I, of the (Company), confi	rm that an approved drilling permit has been obtained by the owner of this well diguncil this form by presence of a permit number and signature of authorized council representative.
	Mo Oil & Gas Council
DRILLER'S SIGNATURE	DATE
PROPOSED OPERATIONS DATA	
PROPOSED AVERAGE DAILY INJECTION,	PRESSURE 300 PSIG, RATE 300 BPD/GPM, VOLUME 100 BBL/GAL
APPROVED AVERAGE DAILY INJECTION, (TO BE FILLED IN BY STATE GEOLOGIST)	PRESSURE 300 PSIG, RATE 300 BPD/GPM, VOLUME 100 BBL/GAL
PROPOSED MAXIMUM DAILY INJECTION,	PRESSURE 300 PSIG, RATE 300 BPD/GPM, VOLUME 100 BBL/GAL
APPROVED MAXIMUM DAILY INJECTION, (TO BE FILLED IN BY STATE GEOLOGIST)	PRESSURE 300 PSIG, RATE 300 BPD/GPM, VOLUME 100 BBL/GAL
ESTIMATED FRACTURE PRESSURE GRADIENT	DF INJECTION ZONE 0.4 PSI/FOOT
DESCRIBE THE SOURCE OF THE INJECTION FLU	Squirrel return water and rural water
	NALYSIS OF THE INJECTION FLUID. (SUBMIT ON SEPARATE SHEET)
DESCRIBE THE COMPATIBILITY OF THE PROPOSOLIDS COMPARISONS	SED INJECTION FLUID WITH THAT OF THE RECEIVING FORMATIONS, INCLUDIUNG TOTAL DISSOLVED
AND PERMEABILITY.  The upper, middle, and lower Squirrel Sai	ction zone including lithologic descriptions, geologic name, thickness, depth, porosity, indstone depth ranges from 516-615 feet with an average thickness of 90 feet. The upper 6 average porosity and 172 millidarcy's average permeability. The middle Squirrel is
generally 20 feet thick with 22% average phick with 20.5% average porosity and 593	porosity and 1,000 millidarcy's average permeability. The lower Squirrel is generally 40 feet
AND PERMEABILITY.	FINING ZONES INCLUDING LITHOLOGIC DESCRIPTION, GEOLOGIC NAME, THICKNESS, DEPTH, POROSITY,
below the sandstone. The Fort Scott conta Creek limestone that has a total thickness	atone consist of the the Fort Scott group above the sandstone and the Verdigris formation ains two prominent shales, the Blackwater Creek and the Excello, as well as the Blackjack of 30-50 feet. The Verdigris formation consists of the the Ardmore limestone member and 20-40 feet. The zones are impermeable at less than 3% porosity.
SUBMIT ALL AVAILABLE LOGGING AND TESTING	
	EEDING CORRECTIVE ACTION THAT PENETRATES THE INJECTION ZONE IN THE AREA OF REVIEW REASON FOR AND PROPOSED CORRECTIVE ACTION.
No corrective action needed.	



STATE OF MISSOURI MISSOURI DEPARTMENT OF NATURAL RESOURCES GEOLOGICAL SURVEY PROGRAM

INJECTION WELL SCHEMATIC

OGC-11



INSTRUCTIONS ON THE ABOVE SPACE DRAW A NEAT, ACCURATE SCHEMATIC DIAGRAM OF THE APPLICANT INJECTION WELL, INCUDING THE FOLLOWING: CONFIGURATION OF WELLHEAD, TOTAL DEPTH OR PLUG BACK TOTAL DEPTH, DEPTH OF ALL INJECTION OR DISPOSAL INTERVALS, AND THEIR FORMATION NAMES, LITHOLOGY OF ALL FORMATIONS PENETRATED, DEPTHS OF THE TOPS AND BOTTOMS OF ALL CASING AND TUBING, SIZE AND GRADE OF ALL CASING AND TUBING, AND THE TYPE AND DEPTH OF PACKER, DEPTH, LOCATION, AND TYPE OF ALL CEMENT, DEPTH OF ALL PERFORATIONS AND SQUEEZE JOBS, AND GEOLOGIC NAME AND DEPTH TO BOTTOM OF ALL UNDERGROUND SOURCES OF DRINKING WATER WHICH MAY BE AFFECTED BY THE INJECTION. USE BACK IF ADDITIONAL SPACE IS NEEDED, OR ATTACH SHEET.

The surface casing is 7" in diameter and is new, limited service grade pipe. The 7" is drifted and tested to 7,000 lbs. and weighs 17 lbs. per foot. The surface casing will be set to a minimum depth of 20 feet and extend 6 inches above the surface. Approximately 8 sacks of Portland cement will be circulated to surface and will secure the well and ensure the contents of the well bore is sealed off from sources of drinking water. The production casing is used 2 7/8" EUE upset, drifted and tested to 7,000 lbs. No tubing will be ran in the injection wells, the injection fluid will be injected directly down the 2 7/8" casing. The total depth of the well will be approximately 650 feet drilled with a 5 5/8" bit. A 2 7/8" flapper type float shoe will be set at the base of the 2 7/8" casing pipe (645 feet) with centralizers installed to center the casing inside the well bore for better cement bonding. The 2 7/8" casing will be cemented from 650 feet to surface using a 2 7/8" rubber plug for displacing the cement. Approximately 100 sacks of high-grade Oil Well cement will be used to cement all wells. This cement will ensure that no contents of the pipe will leave the well bore. The top of the 2 7/8" casing will extend approximately one foot above ground level. After the cement has cured and effectively bonded to the 2 7/8" casing, perforations will be made in the Squirrel Sandstone formation from approximately 500-600 feet, depending on where the oil sand is present at this particular location. Wells will be shot with 3 perforations per foot where the squirrel sandstone oil reservoir is present and capable of water injection. No water sources are present at this depth and will not be affected by these perforations or the injection. The relevant sources of drinking water are located less than 20 feet below surface. The 7" surface pipe and durable Portland cement ensures these water sources will remain free from contamination from drilling and injection activity. Other sources of potential usable water may be present, however not always potable, in the Pennsylvanian and Mississippian formations located approximately 150 feet or deeper below the base of the Squirrel Sandstone.

The lithology of all formations penetrated by the wellbore are as follows:

<u>Formation</u>	Total Depth (feet)
Soil	0 - 2
Clay	2 – 6
Lime	6 – 28
Shale	28 – 49
Lime	49 – 64
Shale	64 – 69
Red Bed	69 – 78
Shale	78 – 82

Lime	82 – 87
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Shale	431 – 443
Lime	443 – 448
Shale (Shale 452 – 453)	448 – 469
Gray Sand	469 – 471
Sdy. Shale (oil trace)	471 – 501
Very laminated Sand	501 – 502
Sandy Lime	502 – 503
Slightly lamin. Sand	503 – 504
Sandy Lime	504 – 505
Solid Sand	505 – 506.5
Shale	506.5 – 507
Slightly lamin. Sand	507 – 507.5
Sandy Shale	507.5 - 509.5
Solid Sand	509.5 - 510.5
Sandy Lime	510.5 – 511.5
Solid Sand	511.5 – 515.5
Sandy Lime	515.5 – 518
Solid Sand	518 – 520
Sandy Lime	520 – 521
Solid Sand	521 – 525
Sandy Lime	525 – 526
Laminated Sand	526 – 527
Sandy Shale	527 – 528.5
Sandy Lime	528.5 – 530
Solid Sand	530 – 533
Sandy Lime	533 – 534
Sandy Shale	534 – 535
Slightly laminated Sand	535 – 536.5

Sandy Lime	536.5 - 538

Solid Sand 591.5 – 593

Lime 593 – 593.5

Very laminated Sand 593.5 – 596

Shale 596 – 616 (Slate 610 – 611)

Lime 616 – 617

Shale 617 – 650 (Slate 621 – 622)

### RECEIVED

STATE OF MISSOURI
MISSOURI DEPARTMENT OF NATURAL RESOURCES
GEOLOGICAL SURVEY PROGRAM
INJECTION WELL LOCATION PLAT

FEB 22 2012

FORM OGC-41

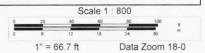
OWNER'S NAME		Mo Oil & Gas Cot	incil
OWNER'S NAME  Kansas Resource Exploration & Development, LLC (K.R.E.	D)	- Gus 000	ii iCii
LEASE NAME	<i>U</i> )	COUNTY	
Belton Unit		Cass	
policinate tradical trade of the control of the con	AGE FROM	OM SECTION LINES)	
5160 ft. from ☐ North ☑ South section	n line	989 ft. from <b>☑</b> East ☐West section line	
WELL LOCATION			
Sec. 16 Township 46 North Range 33 East	✓ We		
		LONGITUDE , 12.5" Sec 9 20	2
N38 48.9600'	- 1	W94 34.2087	N RW-70
PA-21		Set 16 " Pri	51 >9
N	1		
		Belton und	
		Jan Be	ry
consist west status	_	Carr of	/
special project status ec 16 has an irregular shape		5,1	60
Square= 600'			
Sec lu is 1.1 miles 1	) +	0 8.	
INSTRUCTIONS		This is to certify that I have executed a survey to locate oil and gas wells in accordance with 10 C	accurately SR 50-2.030 and
On the above plat, show distance of the proposed well from wo nearest section lines, the nearest lease line, and from the earest well on the same lease completed in or drilling to the ame reservoir. Do not confuse survey lines with lease line see rule 10 CSR 50-2.030 for survey requirements. Lease must be marked.	he ne es.	that the results are correctly shown on the above	
EGISTERED LAND SURVEY		NUMBER	
DEMIT ONE WOODLY TO STATE OF AND	212 2211	NOU DO DOV OSO DOULA NO OSAGO STOROGO DA AS	

R-33

| R-3

Data use subject to license.
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1" = 1,200.0 ft

Data Zoom 14-0

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	NW 15 46 33 W	180.0	GRANDVIEW MO VERTICAL	GRANDVIEW	13911 NORBY	RICHARD MATHER BUILDER, INC 13911 NORBY	RICHARD MA	BELTON	HEAT PUMP 17206 S. BENTON DR	HEAT PUMP	00399960
Elev CaseY	Depth SQ MQ LQ Sec Twn Rng Dir Elev CaseYield SWI	Depth SQ MQ	Usage		Owner Address	Last Name	Business		Site Address	Well Type Site Address	Ref Num
								minute)	Case: Casing depth Yield: Amount of water the well can produce (gallons per minute) SWL: Static water level; constant level of water in the well	g depth nt of water the w water level; cons	Case: Casing depth Yield: Amount of wate SWL: Static water leve
										Depth: Total depth of the well	Depth: Total
									34 12	Selection: 38 48 58 94 34 12	Selection
				Zeport	regal pescription repor	regal De			Radius	Selected By: Half Mile Radiu	Selected
Page - 1 of				0000	O Sintion				12	Report Date: 03/08/2012	Report D.

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# AREA OF REVIEW WELLS (1/2 MILE RADIUS AROUND WELL) THAT PENETRATE THE INJECTION INTERVAL

### INSTRUCTIONS

In the grid below, place the descriptions of area of review wells (1/2 mile radius around well) of public record that penetrate the proposed injection zone. Complete the following: lease name, well number, location, owner, depth in feet, type of well (Oil = O, Gas = G, Water = W, Injection = I, Strat Test = S, Unknown = U, Other - specify), date spudded, date completed, and construction of the well. Give a brief but accurate description of the well's construction including all plugging and/or

	WELL					DATE	DATE	
LEASE	NO.	LOCATION	OWNER	DEPTH	TYPE	SPUDDED	COMPLETED	CONSTRUCTION
Belton Un	R-1	569 FROM (B) SEC LINE	K.R.E.D.	619'	0	04/08/1999	04/13/1999	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump
2 01		SEC. 16 T. 46 N.R. 33W						
201 C		HX4 FROM (N)(S) SEC LINE						4 1/2" casing cemented to surface
Belton Units	R-2	FROM (E) SEC LINE	K.R.E.D	600'	0	06/04/1999	06/10/1999	2 3/8" tubing 3/4" rods and insert pump
2 : Ga		SEC. 16 T. 46 N.R. 33W						
BEIton Unit &	R-3	PROM (B) (S) SEC LINE	K.R.E.D	665'	0	02/29/2000	03/02/0200	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump
0		SEC. 16 T. 46 N.R. 33W						
Belton Unit	R-4	FROM (E) (W) SEC LINE	K.R.E.D	680'	0	03/02/2000	03/07/2000	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump
		SEC. 16 T. 46 N.R. 33W						
Belton Unit	R-5	ROM(N)(S)	K.R.E.D	639'	0	04/23/2000	04/25/2000	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump
		SEC. 16 T. 46 N.R. 33W						
Belton Unit	R-6	171 FROM (N)(S) SEC LINE	K.R.E.D	608'	0	04/27/2000	04/28/2000	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump
		-						
Belton Unit	R-7	571 FROM (E) SEC LINE	K.R.E.D	646'	0	05/01/2000	05/02/2000	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump
		SEC. 16 T. 46 N.R. 33W						
Belton Unit	R-8	SEC LINE (E) SEC LINE	K.R.E.D	655'	0	05/05/2000	05/08/2000	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump
		SEC. 16 T. 46 N.R. 33W						
Belton Unit	R-9	1008 FROM (E) SEC LINE	K.R.E.D	651'	0	05/03/2000	05/05/2000	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump
		SEC. 16 T. 46 N.R. 33W						
MO 780-1136 (02-11)								

### INSTRUCTIONS

In the grid below, place the descriptions of area of review wells (1/2 mile radius around well) of public record that penetrate the proposed injection zone. Complete the following: lease name, well number, location, owner, depth in feet, type of well (Oil = O, Gas = G, Water = W, Injection = I, Strat Test = S, Unknown = U, Other - specify), date spudded, date completed, and construction of the well. Give a brief but accurate description of the well's construction including all plugging and/or

1		, and a second	onon gi on		9			
LEASE	WELL NO.	LOCATION	OWNER	DEPTH	TYPE	DATE SPUDDED	DATE COMPLETED	CONSTRUCTION
Belton Unit	R-10	1930 FROM (E) WSEC LINE SEC 16 T 46 N.D. 33W	K.R.E.D.	627'	0	05/15/2000	05/16/2000	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump
Belton Unit	R-11	FROM (EW) SEC LINE	K.R.E.D	626'	0	05/10/2000	05/12/2000	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump
Belton Unit	R-12	FROM (E) SEC LINE SEC. 16 T. 46 N.R. 33W	K.R.E.D	642'	0	05/16/2000	05/18/2000	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump
Belton Unit	R-13	944 FROM(N)XS) SEC LINE 943 FROM (E)(1) SEC LINE SEC. 16 T. 46 N.R. 33W	K.R.E.D	620'	0	05/22/2000	05/24/2000	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump
Belton Unit	R-14	174 FROM (WS) SEC LINE 3330 FROM (E) (W) SEC LINE SEC. 16 T.46 N.R. 33W	K.R.E.D	637'	0	09/17/2001	09/19/2001	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump
Belton Unit	R-15	573 FROM (S) SEC LINE 5335 FROM (E) (M) SEC LINE SEC. 16 T. 46 N.R. 33W	K.R.E.D	621'	0	12/15/2000	12/20/2000	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump
Belton Unit	R-16	FROM (E) SEC LINE SEC. 16 T. 46 N.R. 33W	K.R.E.D	652.5'	0	10/13/2003	10/15/2003	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump
Belton Unit	R-17	1110 FROM(D)(S) SEC LINE 1111 FROM (E)(M)SEC LINE SEC. 16 T. 46 N.R. 33W	K.R.E.D	686'	0	01/29/2004	01/30/2004	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump
Belton Unit	R-18	SEC. 16 T. 46 N.R. 33W	K.R.E.D	914.5'	0	01/07/2004	01/09/2004	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump
MO 780-1136 (02-11)								

### INSTRUCTIONS

In the grid below, place the descriptions of area of review wells (1/2 mile radius around well) of public record that penetrate the proposed injection zone. Complete the following: lease name, well number, location, owner, depth in feet, type of well (Oil = O, Gas = G, Water = W, Injection = I, Strat Test = S, Unknown = U, Other specify), date spudded, date completed, and construction of the well. Give a brief but accurate description of the well's construction including all plugging and/or

4 1/2" casing cemented to surface
4 1/2" casing cemented to surface 08/31/2000
4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump
4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump
4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump
V/A  4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump
4 1/2" casing cemented to surface 01/16/2008 2 3/8" tubing 3/4" rods and insert pump
4 1/2" casing cemented to surface 01/22/2008 2 3/8" tubing 3/4" rods and insert pump
4 1/2" casing cemented to surface 02/13/2004 2 3/8" tubing 3/4" rods and insert pump
DATE COMPLETED

### INSTRUCTIONS

In the grid below, place the descriptions of area of review wells (1/2 mile radius around well) of public record that penetrate the proposed injection zone. Complete the following: lease name, well number, location, owner, depth in feet, type of well (Oil = O, Gas = G, Water = W, Injection = I, Strat Test = S, Unknown = U, Other - specify), date spudded, date completed, and construction of the well. Give a brief but accurate description of the well's construction including all plugging and/or completion of information, detailing the cement, casing, and subsurface casing information.

						SEC. 16 T. 46 N.R. 33W	1)	MO 780-1136 (02-11)
4 1/2" casing cemented to surface	01/15/2004	01/13/2004	- 1	647.5'	K.R.E.D	ROM (E)(S)	RW-9	Belton Unit
4 1/2" casing cemented to surface	02/13/2004	02/12/2004	1	641.5'	K.R.E.D	RW-8 SEC. 16 1.46 N.R. 33W		Belton Unit
4 1/2" casing cemented to surface	02/11/2004	02/10/2004	-	638'	K.R.E.D	374 FROM()(s) SEC LINE 7 3115 FROM (E)() SEC LINE SEC. 16 T. 46 N.R. 33W		Belton Unit
Squeezed	O	V	Plugged	571'	K.R.E.D	110 FROM(N)(S) SEC LINE  8 FROM (E)(W) SEC LINE  SEC. 16 T 46 N.R. 33W	C-18	Belton Unit
	04/14/2001	04/16/2001	8	891'	K.R.E.D	WSW-13521 FROM (E(W) SEC LINE SEC. 16 T. 46 N.R. 33W		Belton Unit
4 1/2" casing cemented to surface	U	7	_	644'	K.R.E.D	367 FROM (8) (8) SEC LINE 3 ESC. 16 T. 46 N.R. 33W	RI-6	Belton Unit
4 1/2" casing cemented to surface	U	U	-	637'	K.R.E.D	790 FROM (B)	RI-5	Belton Unit
4 1/2" casing cemented to surface	08/29/2000	08/25/2000		641'	K.R.E.D	SEC.	RI-4	Belton Unit
4 1/2" casing cemented to surface	ر 4	U	-	635'	K.R.E.D.		RI-3	Belton Unit
CONSTRUCTION	DATE COMPLETED	DATE SPUDDED	TYPE	DEPTH	OWNER		WELL NO.	LEASE
		TO THE PERSON IN	C COOLING III III	our our lack	Cacing, and	mandin, actually and controller	01 111011	Compication

### INSTRUCTIONS

In the grid below, place the descriptions of area of review wells (1/2 mile radius around well) of public record that penetrate the proposed injection zone. Complete the following: lease name, well number, location, owner, depth in feet, type of well (Oil = O, Gas = G, Water = W, Injection = I, Strat Test = S, Unknown = U, Other - specify), date spudded, date completed, and construction of the well. Give a brief but accurate description of the well's construction including all plugging and/or

12/10/2007
01/04/2008
こア
さ/A
7
A/N
02/09/2004
02/06/2004
02/03/2004
DATE COMPLETED

### INSTRUCTIONS

the following: lease name, well number, location, owner, depth in feet, type of well (Oil = O, Gas = G, Water = W, Injection = I, Strat Test = S, Unknown = U, Other - specify), date spudded, date completed, and construction of the well. Give a brief but accurate description of the well's construction including all plugging and/or In the grid below, place the descriptions of area of review wells (1/2 mile radius around well) of public record that penetrate the proposed injection zone. Complete

completion of information, detailing the cement, casing, and subsurface casing information. Belton Unit AD-11 FROM (P) SEC LINE AD-10 AD-12 WELL NO. AD-9 AD-8 AD-7 AD-6 AD-5 AD-4 3801 FROM (E) (M) SEC LINE FROM (E)(N)SEC LINE 5535 FROM (E) SEC LINE FROM (E)(WSEC LINE 3401 FROM (E)(W)SEC LINE FROM (N) BEC LINE THE FROM (E) (W) SEC LINE FROM (E) SEC LINE SEC. 9 FROM (N) SEC LINE SEC. 9 FROM (N)(S) SEC LINE FROM (N)(S) SEC LINE FROM (N) SEC LINE FROM (N) SEC LINE T. 46 \_T.46 T. 46 T. 46 N.R. 33W T. 46 N.R. 33W \_T. 46 LOCATION \_ T. 46 T. 46 N.R. 33W K.R.E.D K.R.E.D K.R.E.D K.R.E.D K.R.E.D K.R.E.D K.R.E.D K.R.E.D K.R.E.D OWNER DEPTH 679 666' 710 665 659 662 622 630' 708 TYPE 0 0 0 0 0 0 0 0 0 U-1987 U-1987 2 3/8" tubing 3/4" rods and insert pump 07/14/1987 01/31/2008 01/23/2008 05/25/1987 08/25/1987 05/14/1999 06/21/1987 SPUDDED 12/12/2007 U-1987 2 3/8" tubing 3/4" rods and insert pump DATE COMPLETED 07/16/1987 07/21/1987 05/27/1999 02/19/2008 06/25/1987 02/26/2008 12/14/2007 4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump 4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump 4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump 4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump 4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump 4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump 4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump CONSTRUCTION

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MO 780-1136 (02-11) Belton Unit LEASE AD-17 AD-16 AD-14 HOSFROM (E) WEEC LINE AD-21 AD-13 HOME FROM SEC LINE AD-15 AD-18 AD-22 WELL NO. AD-23 ILOD FROM (N)S SEC LINE 380 FROM (E) (M) SEC LINE FROM (E)(W) SEC LINE HOS FROM (N)(6) SEC LINE THOM (E) SEC LINE SEC. 9 FROM (N)SSEC LINE 300 FROM (M) SEC LINE 100 FROM (N) SEC LINE SEC. 9 531 FROM (N) SI SEC LINE FROM (N)(5) BEC LINE FROM (N(S) BEC LINE FROM (N) SEC LINE T. 46 т. 46 T. 46 T. 46 T. 46 N.R. 33W LOCATION T. 46 N.R. 33W K.R.E.D K.R.E.D K.R.E.D K.R.E.D K.R.E.D K.R.E.D K.R.E.D K.R.E.D K.R.E.D OWNER 676.5 DEPTH 617 647 609 650 656 666 700' Plugged TYPE 0 0 0 0 0 0 0 0 12/21/2007 06/13/1999 01/02/2008 07/23/1987 11/13/1989 04/21/1999 09/09/2003 09/11/2003 DATE SPUDDED U-1987 2 3/8" tubing 3/4" rods and insert pump DATE COMPLETED 11/14/1989 マア 09/11/2003 06/18/1999 09/12/2003 05/13/1999 02/26/2008 C 4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump 4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump 4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump 4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump 4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump 4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump 4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump Cemented from bottom to top on 12/27/2007 CONSTRUCTION

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### INSTRUCTIONS

In the grid below, place the descriptions of area of review wells (1/2 mile radius around well) of public record that penetrate the proposed injection zone. Complete the following: lease name, well number, location, owner, depth in feet, type of well (Oil = O, Gas = G, Water = W, Injection = I, Strat Test = S, Unknown = U, Other - specify), date spudded, date completed, and construction of the well. Give a brief but accurate description of the well's construction including all plugging and/or completion of information, detailing the cement, casing, and subsurface casing information.

MO 780-1136 (02-11)	Belton Unit	Belton Unit	Belton Unit	Belton Unit	Belton Unit	Belton Unit	Belton Unit	Belton Unit	Belton Unit	LEASE
20,5	ADI-27	ADI-26	ADI-25	ADI-24	ADI-19	ADI-18	AD-29	AD-28	AD-24	WELL NO.
SEC. 9 T. 46 N.R. 33W	500 FROM (N)(S) SEC LINE	FROM (N) SEC LINE (N) SEC LINE (E) (M) SEC LINE (E) (M) SEC LINE (E) (E) (E) (E) (E) (E) (E) (E) (E) (E			FROM (N) SEC LINE (E) (M) SEC LINE (E) (M) SEC LINE (E) (M) SEC LINE (E) (E) (E) (E) (E) (E) (E) (E) (E) (E	1151 FROM (N/S) SEC LINE (1007) FROM (E) (20) SEC LINE SEC. 9 T. 46 N.R. 33W	FROM (N) SEC LINE  WEST-ROM (E) SEC LINE  SEC. 9 T. 46 N.R. 33W	11 FROM (N/S) SEC LINE 1115 FROM (E) (M) BEC LINE SEC. 9 T. 46 N.R. 33W	300_ FROM (N)(3)SEC LINE 300_ FROM(1)(W) SEC LINE SEC. 9T.46N.R. 33W	LOCATION
2.7.1	Σ Π	K.R.E.D	K.R.E.D	K.R.E.D	K.R.E.D	K.R.E.D	K.R.E.D	K.R.E.D	K.R.E.D.	OWNER
0/4.1	67/ 1'	650.5'	651.5'	662'	654.5'	651.5'	625'	629'	672.5	DEPTH
-	-	-	_ :	_	a <del>.   </del> //	_	0	0	0	TYPE
01/04/2008	04/04/2000	09/17/2003	09/12/2003	09/16/2003	10/07/2003	10/09/2003	06/18/1999	07/08/1999	12/27/2007	DATE SPUDDED
04/16/2008	04/46/2008	09/19/2003	09/15/2003	09/17/2003	10/08/2003	10/10/2003	07/07/1999	07/14/1999	02/06/2008	DATE COMPLETED
	4 1/2" casing cemented to surface	4 1/2" casing cemented to surface	4 1/2" casing cemented to surface	4 1/2" casing cemented to surface	4 1/2" casing cemented to surface	4 1/2" casing cemented to surface	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump	CONSTRUCTION

### INSTRUCTIONS

In the grid below, place the descriptions of area of review wells (1/2 mile radius around well) of public record that penetrate the proposed injection zone. Complete the following: lease name, well number, location, owner, depth in feet, type of well (Oil = O, Gas = G, Water = W, Injection = I, Strat Test = S, Unknown = U, Other - specify), date spudded, date completed, and construction of the well. Give a brief but accurate description of the well's construction including all plugging and/or completion of information, detailing the cement, casing, and subsurface casing information.

	14/7		C.			7	2	
LEASE	NO.	LOCATION	OWNER	DEPTH	TYPE	SPUDDED	COMPLETED	CONSTRUCTION
Belton Unit	ADI-30	ADI-30 FROM (B/W) SEC LINE	K.R.E.D.	627.7'	-	12/19/2007	04/16/2008	4 1/2" casing cemented to surface
		860 FROM (F) N.R. SOW						4 1/2" casing cemented to surface
Belton Unit	ADI-31	ADI-31 3613 FROM (E) SEC LINE SEC. 9 T. 46 N.R. 33W	K.R.E.D	633'	-	05/27/1999	06/04/1999	The cooling controllion to outline
Belton Unit	ADI-32	871 FROM (N/S) SEC LINE 1034 FROM (E/M) SEC LINE SEC. 9 T. 46 N.R. 33W	K.R.E.D	649'	-	۷	C	4 1/2" casing cemented to surface
Belton Unit	ADI-33	881 FROM (N)(S). 4454 FROM (E)(W) SEC. 9 T. 46	K.R.E.D	642'	-	<	C	4 1/2" casing cemented to surface
Belton Unit	ADI-34		K.R.E.D	663	-	<	C	4 1/2" casing cemented to surface
Belton Unit	ADI-37		K.R.E.D	618.2		12/13/2007	04/16/2008	4 1/2" casing cemented to surface
Belton Unit	ADI-38	FROM (N)S	K.R.E.D	668.9'	_	12/17/2007	04/16/2008	4 1/2" casing cemented to surface
Belton Unit	ADI-39	441 FROM (N.S.) SEC LINE 405 FROM (E.M.) SEC LINE SEC. 9 T. 46 N.R. 33W	K.R.E.D	631'	-	U	<b>C</b>	4 1/2" casing cemented to surface
Belton Unit	ADI-40	441 FROM (N) S) BEC LINE SEC. 9 T. 46 N.R. 33W	K.R.E.D	664'	-	<	<u></u>	4 1/2" casing cemented to surface
MO 780-1136 (02-1)	)							

### INSTRUCTIONS

completion of information, detailing the cement, casing, and subsurface casing information. In the grid below, place the descriptions of area of review wells (1/2 mile radius around well) of public record that penetrate the proposed injection zone. Complete the following: lease name, well number, location, owner, depth in feet, type of well (Oil = O, Gas = G, Water = W, Injection = I, Strat Test = S, Unknown = U, Other specify), date spudded, date completed, and construction of the well. Give a brief but accurate description of the well's construction including all plugging and/or

completion of its	HOILIGH	completion of information, actaining the centern,	cellelit, casilig, alla subsullace	oupaul lace		casilig illioillation.		
LEASE	WELL NO.	LOCATION	OWNER	DEPTH	TYPE	SPUDDED	DATE COMPLETED	CONSTRUCTION
Belton Unit Al	DI-41	ADI-41 442 FROM (N) SEC LINE FROM (E) SEC LINE	K.R.E.D.	600' est	-		<	4 1/2" casing cemented to surface
	SF	SEC. 9 T. 46 N.R. 33W				(		
Belton Unit C	وم معرية –	ATO FROM (B)(W) SEC LINE	K.R.E.D	600' est	0			4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump
	SI	SEC. 16 T. 46 N.R. 33W				(	(	
	12	FROM ()(S) SEC LINE						4 1/2" casing cemented to surface
Belton Unit C	OH-2	SUS FROM (E) SEC LINE	K.R.E.D	600' est	0	<u></u>		2 3/8" tubing 3/4" rods and insert pump
	SI	SEC. 16 T. 46 N.R. 33W				•	<	
	\$ To	FROM N(S) SEC LINE						4 1/2" casing cemented to surface
Belton Unit C	OH-3	FROM (E) SEC LINE	K.R.E.D	600' est	0	<	<	2 3/8" tubing 3/4" rods and insert pump
	SI	SEC. 16 T. 46 N.R. 33W						
Belton Unit C	0H-4	FROM (E)(W)SEC LINE	K.R.E.D	600' est	0	<b>C</b>		4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump
	S	SEC. 16 T. 46 N.R. 33W				<	(	
Relton Unit	OH-J-	833 FROM (1)(S) SEC LINE	X R F D	600' est	O	-	• )	4 1/2" casing cemented to surface
_		SEC. 16 T. 46 N.R. 33W				<	<	
	10	919 FROM (N)(S) SEC LINE						Compared compart into formation to surface
Belton Unit C	0H-6	STIGTROM (E)(M) SEC LINE	K.R.E.D	600' est	Plugged	<u></u>	_	Squeezed cement into formation to surface
	S	SEC. 16 T. 46 N.R. 33W				,	<	
-		753 FROM (B)(S) SEC LINE	1			1 ,		Squeezed cement into formation to surface
Belton Unit	1-HO		K.R.E.D	600' est	Plugged	<	<	
	S	SEC. 16 T. 46 N.R. 33W				,	•	
	\$1_x	138 FROM (N)(S) SEC LINE				s		Salleszed cement into formation to surface
Belton Unit C	OH-8	FROM (E)(W) SEC LINE	K.R.E.D	600 est	Plugged	_		Schools of centerit into tollington to surface
	S	SEC. 16 T. 46 N.R. 33W				<		
MO 780-1136 (02-11)								

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MO 780-1136 (02-11)	Clark-Berry	Clark-Berry	Clark-Berry	Clark-Berry	Clark-Berry	Belton Unit	Belton Unit	Belton Unit	Belton Unit	LEASE
	CBI-1	CB-4	CB-3	CB-2	CB-1	UK-3	UK-2	UK-1	ОН-9	NO.
SEC. 16 T. 46 N.R. 33W	ROM (E)(S) S	FROM(N/S) SEC LINE (N/S) SEC LINE (N/S) SEC LINE (N/S) SEC LINE (N/S) SEC. 16 T. 46 N.R. 33W	2027 FROM (N)(S) SEC LINE 2027 FROM (E)(N))SEC LINE SEC. 16 T. 46 N.R. 33W	2004 FROM (N)(S) SEC LINE 2004 FROM (E)(M) BEC LINE SEC. 16 T. 46 N.R. 33W	CB-1 FROM (S)(S) SEC LINE  CB-1 SEC. 16 T. 46 N.R. 33W	FROM (N) SEC LINE FROM (B) (W) SEC LINE SEC. 16 T. 46 N.R. 33W	FROM (N) SEC LINE (LT) FROM (A) (W) SEC LINE (SEC. 16 T. 46 N.R. 33W	1530 FROM (N) (S) SEC LINE 1300 FROM (H) (W) SEC LINE SEC. 16 T. 46 N.R. 33W	\$EC. 16 T. 46 N.R. 33W	
	K.R.E.D	K.R.E.D	K.R.E.D	K.R.E.D	K.R.E.D	K.R.E.D	K.R.E.D	K.R.E.D	K.R.E.D.	OWNER
	629'	619'	625'	625'	625'	С	С	U	600' est	DEPTH
	-	0	0	0	0	0	0	0	Plugged	TYPE
	03/22/1999	03/30/1999	03/25/1999	U	03/22/1999	<		0	C	SPUDDED
	03/25/1999	04/02/1999	03/30/1999	<u></u>			<b>C</b>	<	<u> </u>	COMPLETED
	4 1/2" casing cemented to surface	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump	2 7/8" with 1" tubing and insert pump	2 7/8" with 1" tubing and insert pump	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump	Squeezed cement into formation to surface	CONSTRUCTION

### INSTRUCTIONS

In the grid below, place the descriptions of area of review wells (1/2 mile radius around well) of public record that penetrate the proposed injection zone. Complete the following: lease name, well number, location, owner, depth in feet, type of well (Oil = O, Gas = G, Water = W, Injection = I, Strat Test = S, Unknown = U, Other completion of information, detailing the cement, casing, and subsurface casing information. specify), date spudded, date completed, and construction of the well. Give a brief but accurate description of the well's construction including all plugging and/or

																							Clark-Berry	LEASE
																							CBI-2	WELL NO.
SECTN.R	FROM (E)(W) SEC LINE	SEC. T. N.R.	 FROM (N)(S) SEC LINE	SECTN.R	FROM (E)(W) SEC LINE	FROM (N)(S) SEC LINE	SECTN.R	FROM (E)(W) SEC LINE	FROM (N)(S) SEC LINE	SECTN.R	FROM (E)(W) SEC LINE	FROM (N)(S) SEC LINE	SECTN.R	FROM (E)(W) SEC LINE	FROM (N)(S) SEC LINE	SECTN.R	FROM (E)(W) SEC LINE	FROM (N)(S) SEC LINE	SEC. T. N.R.	FROM (E)(W) SEC LINE	FROM (N)(S) SEC LINE	SEC. 16 T. 46 N.R. 33W	THE FROM (N)(S) SEC LINE	LOCATION
																							K.R.E.D.	OWNER
																							634'	DEPTH
																							-	TYPE
																							04/02/1999	DATE SPUDDED
																							04/07/1999	DATE COMPLETED
																							4 1/2" casing cemented to surface	CONSTRUCTION

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### RECEIVED

APR 27 2012

Mo Oil & Gas Council

### AFFIDAVIT OF PUBLICATION

(Space above for recording information)

STATE OF MISSOURI COUNTY OF CASS

22

I, Janis Anslinger, being duly sworn according to law, state that I am the Classified Ad Manager of the Cass County Democrat-Missourian, a weekly newspaper of general circulation in the County of Cass, State of Missouri, where located; which newspaper has been admitted to the Post Office as periodical class matter in the City of Harrisonville, Missouri, the city of publication; which newspaper has been published regularly and consecutively for a period of three years and has a list of bonafide subscribers, voluntarily engaged as such who have paid or agreed to pay a stated price for a subscription for a definite period of time, and that such newspaper has complied with the provisions of Section 493.050, Revised Statutes of Missouri 2000, and Section 59.310, Revised Statutes of Missouri 2000. The affixed notice appeared in said newspaper in the following consecutive issues:

19 Insertion: Vol. 13	3 No. 26	2. 13 day of A	PY 20 12.
		day of	
3º Insertion: Vol	No	day of	20
4º Insertion: Vol	No	day of	20
5ª Insertion: Vol	No.	day of	20
	Jan	slend	uges
	/ Junis A	nslinger, Classified	Adylanager
Subscribed and sw	om to before	me on this 19	day of

\_. 20 1Z ·

DEREK PIERCE
Notary Public - Notary Seal
STATE OF MISSOURI
Bates County
My Commission Expires: Jan. 21, 2013
Commission # 09734596

### NOTICE

Kansas Resource Exploration & Development, LLC, 9393 W 110<sup>th</sup> St., Ste. 500, Overland Park, KS, 662 kD, has applied for 33 injection well permits to be drifted to an approximate depth of 650 feet. Water will be injected into the Squirrel Sandstone formation for an Enhanced Oil Recovery Project at the followine locations.

following locations.

#RW-20 5, 157 from line/550 from line, Section 16, Township 46N, Range 33W line/21 5, 160 from line/859 from line, Section 16, Township 46N, Range 33W line/1, 237 from line/1, 237 from line, Section 16, Township 46N, Range 33W line/1, 237 from line/1, 237 from line, Section 16, Township 46N, Range 33W line/1, 247 from line/1, 247 from line, Section 16, Township 46N, Range 33W line/1, 247 from line/1, 247 from line, Section 16, Township 46N, Range 33W line/1, 255 from line/1, 257 from line/2, 257 from line/2, 257 from line/2, 257 from line/3, 257 from line/

State Geologist Missouri Olf & Gas Council P.O. Box 250

Rolla, MO 65401

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